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Remarks:

The applicant has subsequently filed a sequence
listing and declared, that it includes no new matter.

(54) Anti-obesity proteins

(57) The present invention provides anti-obesity proteins, which when administered to a patient regulate fat tissue.
Peptides of invention are represented by mentioned DNA string or analogs thereof:

5 10 15
Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys Thr Leu Ile Lys Thr
20 25 30
Ile Val Thr Arg Ile Asp Asp Ile Ser His Thr Gln Ser Val Ser Ser
35 40 45
Lys Gln Lys Val Thr Gly Leu Asp Phe Ile Pro Gly Leu His Pro Ile
50 55 60
Leu Thr Leu Ser Lys Met Asp Gln Thr Leu Ala Val Tyr Gln Gln Ile
65 70 75 80
Leu Thr Ser Met Pro Ser Arg Asn Val Ile Gln Ile Ser Asn Asp Leu
85 90 95
Glu Asn Leu Arg Asp Leu Leu His Val Leu Ala Phe Ser Lys Ser Cys
100 105 110
His Leu Pro Trp Ala Ser Gly Leu Glu Thr Leu Asp Ser Leu Gly Gly
115 120 125
Val Leu Glu Ala Ser Gly Tyr Ser Thr Glu Val Val Ala Leu Ser Arg
130 135 140
Leu Gln Gly Ser Leu Gln Asp Met Leu Trp Gln Leu Asp Leu Ser Pro
145
Gly Cys

Accordingly, such agents allow patients to overcome their obesity handicap and live normal lives with much reduced risk for type II diabetes, cardiovascular disease and cancer.

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